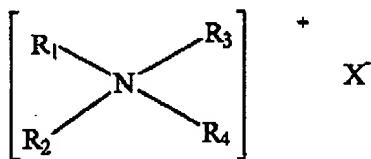


## AMENDMENTS TO THE CLAIMS

Please amend the claims as indicated below:

17. (Currently Amended) An ultrasonic cleaning composition comprising from about 0.001% to about 99%, by weight of composition, of an ultrasonic cleaning agent wherein said composition is low foaming, has an inter facial tension of from about  $10 \text{ mNm}^{-1}$  to about  $0.0001 \text{ mNm}^{-1}$ , and is substantially free of antifoaming agents and includes a surfactant wherein said surfactant is anionic, cationic, nonionic or a combination thereof and wherein said anionic surfactant is a C<sub>6</sub> to C<sub>18</sub> branched or linear alkyl sulfate, a C<sub>6</sub> to C<sub>18</sub> branched or linear alkyl benzene sulfonate, a C<sub>6</sub> to C<sub>18</sub> branched or linear alkyl alkoxy sulfate, or a mixture thereof, wherein said nonionic surfactant comprises at least one nonionic surfactant having a cloud point greater than 60°C and at least one nonionic surfactant having a cloud point less than 10°C, and wherein said cationic surfactant is a cationic co-surfactant, or corresponds to the general formula:



wherein R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, and R<sub>4</sub> are independently selected from an aliphatic group of from 1 to about 22 carbon atoms or an aromatic, alkoxy, polyoxalkylene, alkylamido, hydroxyalkyl, aryl or alkylaryl group having up to about 22 carbon atoms; and X is a salt-forming anion such as those selected from halogen, acetate, citrate, lactate, glycolate, phosphate nitrate, sulfate, and alkylsulfate radicals, or is a mixture thereof.

18. (Original) An ultrasonic cleaning composition according to claim 17 wherein said composition has an inter facial tension of from about  $0.0001 \text{ mNm}^{-1}$  to about  $1 \text{ mNm}^{-1}$ .

19. (Currently amended) An ultrasonic cleaning composition according to claim 17 wherein said ultrasonic cleaning agent further comprises is selected from the group consisting of builders, surfactants, enzymes, bleach activators, bleach catalysts, bleach boosters, bleaches, alkalinity sources, antibacterial agent, colorants, perfume, lime soap dispersants, polymeric dye transfer inhibiting agents, crystal growth inhibitors, photobleaches, heavy metal ion sequestrants, anti-tarnishing agents, anti-microbial agents, anti-oxidants, anti-redeposition agents, soil release polymers, electrolytes, pH modifiers, thickeners, abrasives, metal ion salts, enzyme stabilizers, corrosion inhibitors, diamines, suds stabilizing polymers, solvents, process aids, fabric softening agents, optical brighteners, hydrotropes, and or mixtures thereof.

20. (Original) An ultrasonic cleaning composition according to claim 17 wherein said composition has a suds height of less than about 80 mm according to a suds cylinder test.

21. (Original) An ultrasonic cleaning composition according to claim 17 wherein said composition is in the form of a liquid, tablet, paste, gel, microemulsion, or tricritical composition.

22. (Currently Amended) An ultrasonic cleaning composition according to claim 19 ~~17 further comprising a surfactant wherein said surfactant is zwitterionic, amphoteric, or a mixture thereof wherein said surfactant is selected from the group consisting of anionic, nonionic, amphoteric, cationic, zwitterionic, and mixtures thereof.~~

23. (Cancelled)

24. (Currently Amended) An ultrasonic cleaning composition according to claim 22 ~~17~~ wherein said nonionic surfactant is selected from the group consisting of polyhydroxy fatty acid amides, betaines, sulfobetaines, alkyl polyglycosides, alkyl ethoxylates, amine oxide, ether-capped poly(oxyalkylated) alcohols, low foaming nonionic surfactants, and mixtures thereof.

25. (Original) An ultrasonic cleaning composition according to claim 19 wherein said enzyme is selected from the group consisting of protease, amylases, cellulases, lipases, hemicellulases, peroxidases, gluco-amylases, cutinases, pectinases, xylanases, reductases, oxidases, phenoloxidases, lipoxygenases, ligninases, pullulanases, tannases, pentosanases, malanases,  $\beta$ -glucanases, arabinosidases, and mixtures thereof.

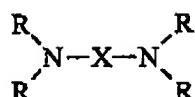
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26. (Original) An ultrasonic cleaning composition according to claim 19 wherein said bleach is an oxygen bleach.

27. (Original) An ultrasonic cleaning composition according to claim 26 wherein said composition further comprises a bleach activator, bleach catalyst, and mixtures thereof.

28. (Original) An ultrasonic cleaning composition according to claim 19 wherein said builder is selected from the group consisting of aluminosilicates, silicates, zeolites, polycarboxylates, phosphates, polyphosphates, phosphonates, nitrilotriacetic acid, carbonates, bicarbonates, and mixtures thereof.

29. (Original) An ultrasonic cleaning composition according to claim 19 wherein said diamine has the formula:

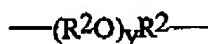


wherein each R is independently selected from the group consisting of hydrogen, C1-C4 linear or branched alkyl, and an alkyleneoxy having the formula:



wherein R2 is C2-C4 linear or branched alkylene, and mixtures thereof; R3 is hydrogen, C1-C4 alkyl, and mixtures thereof; y is from 1 to about 10; X is a unit selected from:

i) C3-C10 linear alkylene, C3-C10 branched alkylene, C3-C10 cyclic alkylene, C3-C10 branched cyclic alkylene, an alkyleneoxyalkylene having the formula:



wherein R2 and y are the same as defined herein above;

ii) C3-C10 linear, C3-C10 branched linear, C3-C10 cyclic, C3-C10 branched cyclic alkylene, C6-C10 arylene, wherein said unit comprises one or more electron donating or electron withdrawing moieties which provide said diamine with a pKa greater than about 8; and

iii) mixtures of (i) and (ii);

provided said diamine has a pKa of at least about 8.

30. (Original) A method of removing tough food soil from a hard surface comprising contacting said tough food soil with an aqueous solution of the composition according to Claim 17 and then imparting ultrasonic waves to said soil.

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*cont*

31. (Original) A method of washing soiled tableware comprising contacting said soiled tableware with an aqueous solution of the composition according to Claim 17 and then imparting ultrasonic waves to said soiled tableware.

32. (Original) A method of removing tough food soil from a hard surface comprising contacting said tough food soil with a neat solution of the composition according to Claim 17 and then imparting ultrasonic waves to said soil.

33. (Original) A composition according to Claim 17 wherein said composition is designed to entrain dissolved air removed by ultrasonic energy.

34. (Original) A composition according to Claim 33 wherein said dissolved air is dissolved oxygen removed by ultrasonic energy.

35. (New) An ultrasonic cleaning device for use with an ultrasonic cleaning composition, said ultrasonic cleaning device comprising:

A hand-held vibrational ultrasonic device including an acoustic system comprising a piezo ceramic element and a sonotrode, wherein said sonotrode is chisel shaped having a width of from about 0.05 mm to about 5 mm and the length of said sonotrode is from about 10 mm to 50 mm long or said sonotrode is disc shaped and has a disc radius of from about 10 mm to about 100 mm.

36. (New) The ultrasonic cleaning device of Claim 35 wherein said sonotrode is comprised of titanium, aluminum, steel, or combinations thereof.

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37. (New) The ultrasonic cleaning device of Claim 35 wherein said sonotrode is encased, surrounded, or in close proximity to adjunct materials used to aid in the cleaning process.